

◆ WEB 3.0

◆ DISTRIBUTED LEDGER TECHNOLOGY

◆ ECOSYSTEMS



ROADMAP 2022

Development prospects and technological priorities



DGT Network Inc. is a startup company founded in Toronto, Canada in 2017

2017-18

Project beginnings, surviving the ICO rush.

First release of the platforms and promising developments.

2019-20

Crypto-winter, pivoting to enterprise blockchain.

2021

Enterprise focused

2022

LOOKING BACK

DGT finds footing as a Layer 1 ecosystem-building blockchain.

DGT turns towards developing **tokenization**.

- **Technology:** Kawartha 1.0 and GARANASKA development.
- **Investment:** \$600K USD angel investment.
- **Business:** moving into international markets (LatAm), fighting off raid, growing business capabilities.

DGT successfully pivots in crypto-winter to an **enterprise-focused blockchain**.

- **Technology:** second (Mississauga) and third (Kawartha) releases. Tech partnerships. Topology develops. Scientific publications.
- **Business:** Working with enterprises; great tests with large banks. Decentralized project concepts developed on platform – HR, privacy, crowd investment.

DGT was created as a blockchain for **digital and gaming assets**.

- **Technology:** first platform release (DGT Kowabunga). Native coin. Integration with Magenta marketplace. Consensus developed. Secondary tokenization and NFT concepts.
- **Investment:** angel funding of \$900k USD. Later spin-off into DGT Network and smaller BGX (defunct).
- **Business:** successful pre-ICO sale. Partnerships with gaming companies. Partnerships with universities.

KOWABUNGA TO HARRICANA

We started as a fork of Intel Sawtooth 1.1 implementation because of its modularity and thoughtful architecture.

2017
Hyperledger Sawtooth



The first independent version of the platform:

2018
KOWABUNGA

- Single cluster.
- Limited F-BFT consensus.
- Digital Market Place (Magento).

Headquartered in Canada, we love and respect history. Therefore, versions of the platform are called toponyms inherited from the first nations.

Fully functional platform

- Federated Network
- Static topology
- F-BFT consensus
- Digital Market Place (Magento).
- Byzantine Attack Testing Subsystem

2019
MISSISSAUGA



2020
KAWARTHA

- Dynamic topology;
- Hybrid Network
- Full F-BFT consensus;
- Test network and dashboard



2022
MATAGAMI

- Native DEC Tokens
- Heartbeat Engine
- Enhancing ID and Notaries (DID)
- CLI Client
- Roll your Own Transactions
- EVM Support



2023
ATHABASCA

- Main Net
- Confidential Computation (DaX v1.0)
- Arbitrary Staking
- ZKP Based Private Transactions
- Ethereum Bridge
- Third Party Wallets

We know that we are on a difficult road, the biggest reward is the implementation of a new technology that will make people's lives better.

- Direct NFT Support (DGT-721)
- DaX v2.0
- Binance Smart Chain Bridge
- Enterprise Airbridge
- DGT Wallet



2023
ETOBICOKE



2024
HARRICANA

- DGT NFT Marketplace
- Name Space
- Distributed AI (Federated Learning)
- Quantum Resistance



THROUGH THE DEVELOPMENT PROCESS

#	FUNCTION	MATAGAMI	ATHABASCA	ETOBICOKE	HARRICANA
1	SCALABLE DECENTRALIZATION				
1.1	DAG-Ledger	[2]	[3]	[3]	[3]
1.2	Consensus (F-BFT & POS)	[2] F-BFT	[3]	[3]	[3]
1.3	Hybrid Network Architecture	[2] Heartbeat	[2] Main Net	[3]	[3] Name Space
1.4	Parallel TPS Executions	[2] APS (Advanced Parallel Scheduler)	[2] DiPETrans	[2] DAG-STM	[3]
2	INTEROPERABILITY AND CUSTOMIZATION				
2.1	SNAP-in API	[2] CLI	[2] Third Party Wallets	[2] DGT Wallet	[3]
2.2	Roll Your Own Protocol	[2] Python SDK	[2] Java SDK	[3]	[3]
2.3	EVM & Web Assembly	[2] Seth/Sabre	[2] Burrow EVM	[3]	[3]
2.4	Air Nodes and Bridges	[1]	[2] Ethereum Bridge	[2] BSC Bridge, Multichain	[2] Multichain
3	TOKENIZATION AND DIGITAL TWINS				
3.1	Native DEC Family	[2] DEC/BANKING	[2] DEC/Multi-sig/SWAP	[3]	[3]
3.2	Custom Tokenization	[1]	[2] SWAP	[3]	[3]
4	CONFIDENTIALITY AND OFF-CHAIN CALCULATIONS				
4.1	Decentralized Identification	[2] DID + Notaries	[2] DID/ZKP	[3]	[3]
4.2	ZKP Based Private Transactions	[1]	[2] Private Payments	[2] Member Set Proof	[3]
4.3	Confidential Computation	[1]	[2] DaX v1	[2] DaX v 2	[3]
4.4	Distributed AI (Federated Learning)	[1]	[1]	[1]	[2] DGT FL/1

Maturity Level: [1] Ideation; [2] Building; [3] Advancement



LIBRARIES AND PROTOCOLS

For convenience, the functionality is presented in the form of packages, also combined into groups:

CORE FEATURES

Ledger/ Consensus

Ledger Type: DAG
Consensus: F-BFT
Sybil Resistance: PoS
Heartbeat

Trust Providers

Off-chain Trust: Notary Hub
Privacy: Diffprivlib
ZKP: Bulletproofs/ Set Membership
SMPC Calculations

Network Mode

Architecture: H-Net
Federation: clustering
CFT: variable leaders

Cryptography

ECDSA (Secp256k1)
ECDH: Secp256k1, X25519
NTRU (WolfSSL) – in development

Transaction /API

Transaction families (Service)
DGTSET (topology), BGT, DEC,
XSERF, DKEY, DID, XCERT

Performance

TPS: 1K (50K)
Finality: 1s

UTILITY

Tokenization

Native Coin: DEC
Supply: Minting
Participants: SLA
Secondary Tokens: ERC-20/BEP-20, ERC-721, ERC-1155

Smart Contracts

EVM (Seth)
WASM (Sabre)

Identification

DID/JSON-LD
Verifiable Credential:
Hashicorp Vault

SDK

Python
C++
Rust

Clients

CLI
Dashboard/Explorer
Wallet (Android, iOS)

Oracles

Notary nodes for off-chain calculations

PRODUCTIVITY

Integration

Integration with external networks (bridges and Relay nodes)

MARKET

Social Profile

Discord
Twitter
YouTube
Content / Webinar

R&D Community

University partnerships
Grants & Dev ecosystem

Market Share

Max Supply: 677289984
Initial Price: 0.8
Low Volatility:
Algorithmic

Ecosystem/TVL

Current: 0
Target: \$100M
Looking for partnerships

Investment

\$1.5M + \$10M

DEVOPS AND MATURITY

Environment

GitHub
Docker
TestNet: Canaries
Docs: Sphinx

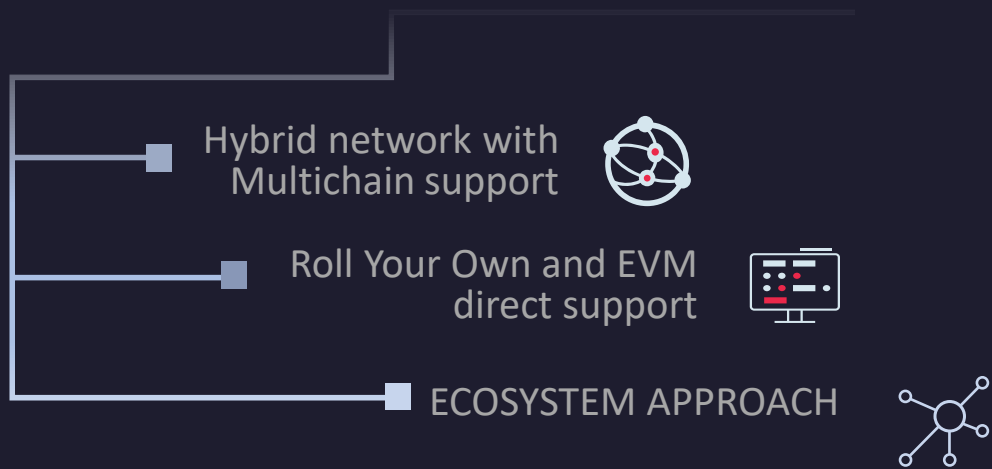
Exchange

DEX
Major CEX
DGT Exchange in 2024



INTEROPERABILITY

- BUILD CONNECTIVITY AND UBIQUITY



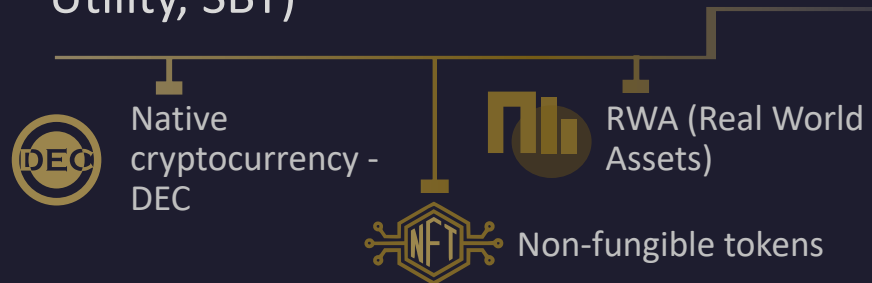
2



1

TOKENIZATION

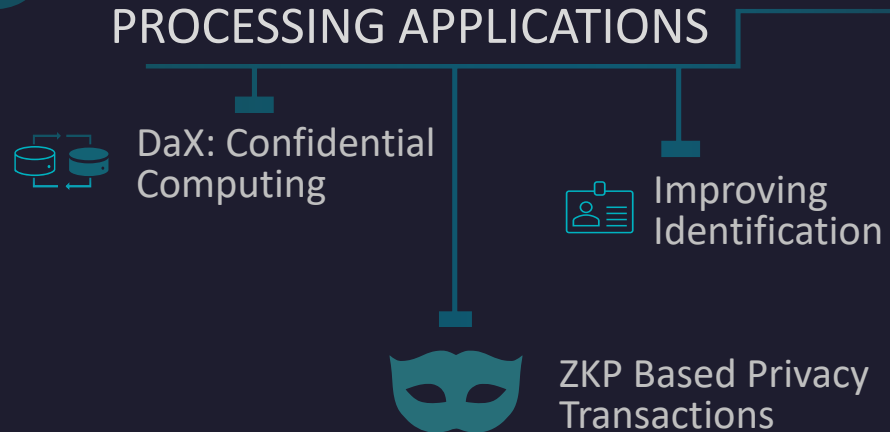
- NATIVE CRYPTOCURRENCY AND CUSTOM TOKENIZATION (RWA, NFT, Utility, SBT)



3

DATA PRIVACY

- FOCUS ON CYBERSECURITY AND DATA PROCESSING APPLICATIONS



THANK YOU

[/invite/29BmYCMP](#)



github.com/DGT-Network



www.dgt.world

WWW



twitter.com/dgtnetwork

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DGT

